



1999 Toxics Release Inventory

NEW JERSEY

Reported Releases and Waste Management Activities (in pounds)

| | Original Industries | New Industries | Total |
|---|---------------------|-------------------|--------------------|
| On-site Releases | 15,509,062 | 8,666,505 | 24,175,567 |
| Air Emissions | 8,183,307 | 8,268,025 | 16,451,332 |
| Surface Water Discharges | 5,382,208 | 14,780 | 5,396,988 |
| Underground Injection Class I Wells | 2 | 0 | 2 |
| Underground Injection Class II-V Wells | 2 | 0 | 2 |
| On-site Land Releases to RCRA Subtitle C Landfills | 164,498 | 0 | 164,498 |
| Other On-site Land Releases | 1,779,045 | 383,700 | 2,162,745 |
| Off-site Releases (Transfers Off-site to Disposal)* | 6,308,938 | 798,880 | 7,107,818 |
| Total On- and Off-site Releases | 21,818,000 | 9,465,385 | 31,283,385 |
| Recycled On-site | 90,609,387 | 8,083,665 | 98,693,052 |
| Recycled Off-site | 38,954,247 | 482,043 | 39,436,290 |
| Energy Recovery On-site | 192,070,114 | 0 | 192,070,114 |
| Energy Recovery Off-site | 46,684,889 | 24,126,516 | 70,811,405 |
| Treated On-site | 133,101,076 | 32,381,339 | 165,482,415 |
| Treated Off-site** | 41,396,542 | 1,721,299 | 43,117,841 |
| Quantity Released On- and Off-site*** | 20,996,994 | 9,442,087 | 30,439,081 |
| Total Production-related Waste Managed | 563,813,249 | 76,236,949 | 640,050,198 |
| Total Non-production-related Waste Managed | 65,799 | 351,068 | 416,867 |

Transfers Off-site for Further Waste Management/Disposal

| | | | |
|---|--------------------|-------------------|--------------------|
| Recycling | 38,186,917 | 469,830 | 38,656,747 |
| Energy Recovery | 46,536,340 | 23,171,918 | 69,708,258 |
| Treatment | 5,232,307 | 4,406,509 | 9,638,816 |
| Publicly Owned Treatment Works (POTWs) | 36,072,715 | 181,391 | 36,254,106 |
| Metals and Metal Compounds* | 46,212 | 73 | 46,285 |
| Non-metal TRI Chemicals** | 36,026,503 | 181,318 | 36,207,821 |
| Other Off-site Transfers*** | 0 | 0 | 0 |
| Off-site Transfers to Disposal (not including metals to POTWs) | 6,317,331 | 805,826 | 7,123,157 |
| Total Transfers Off-site for Further Waste Management/Disposal | 132,345,610 | 29,035,474 | 161,381,084 |

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

****Transfers reported without a valid waste management code.

For More Information . . .

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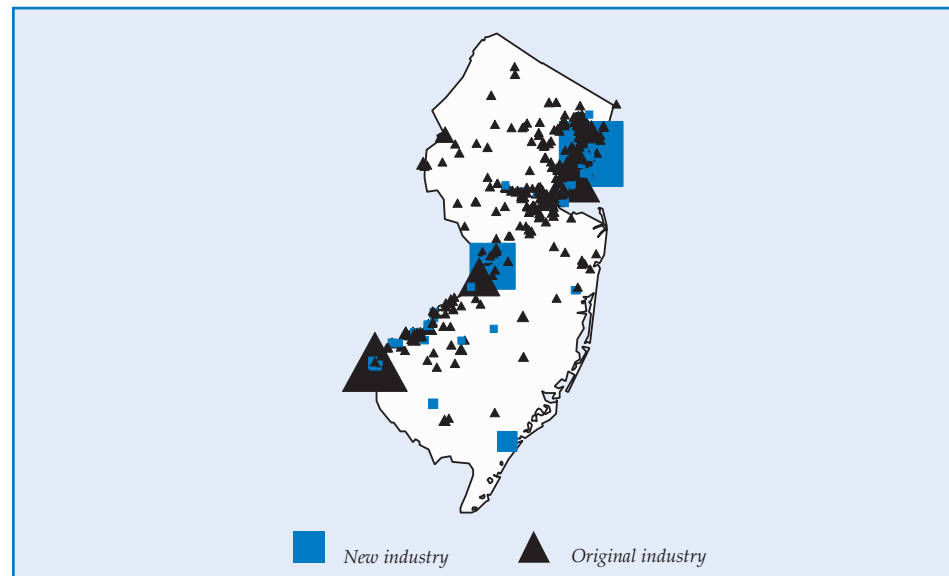
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The largest marker in the state map represents the largest facility for on-site releases in the state of New Jersey. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

| | |
|------------------|-----------|
| Population | 8,143,412 |
| Square Miles | 7,419 |
| Total Facilities | 569 |
| Total Forms | 2,306 |
| Form As | 392 |

| | Original Industries | New Industries | Total |
|---|---------------------|----------------|-------------|
| National Rank for Total On- and Off-site Releases* | | | |
| Rank | 30 | 39 | 35 |
| Pounds | 21,818,000 | 9,465,385 | 31,283,385 |
| National Rank for Total On-site Releases** | | | |
| Rank | 35 | 39 | 38 |
| Pounds | 15,509,062 | 8,666,505 | 24,175,567 |
| National Rank for Total Releases within State*** | | | |
| Rank | 28 | 39 | 34 |
| Pounds | 24,587,048 | 9,000,793 | 33,587,841 |
| National Rank for Production-related Waste Managed | | | |
| Rank | 13 | 22 | 16 |
| Pounds | 563,813,249 | 76,236,949 | 640,050,198 |

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



1999 Toxics Release Inventory

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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

| CAS Number | Chemical | On-site Releases | | | | Off-site Releases | Total Releases in the State** | Off-site Transfers to Disposal | | |
|------------|------------------------|----------------------|---------------------------------|------------------------------|---------------------------------|--|-------------------------------|--------------------------------|---------------------------------|---------------------------------|
| | | Air Emissions Pounds | Surface Water Discharges Pounds | Underground Injection Pounds | On-site Releases to Land Pounds | Transfers Off-site to Disposal* Pounds | | Transferred Into State Pounds | Transferred Within State Pounds | Transferred Out of State Pounds |
| -- | Nitrate compounds | 215 | 4,517,078 | 0 | 0 | 970 | 4,518,263 | 2,816 | 970 | 0 |
| -- | Zinc compounds | 15,102 | 21,166 | 0 | 1,307,081 | 1,882,239 | 3,225,588 | 124,023 | 1,412,551 | 470,192 |
| 7647-01-0 | Hydrochloric acid | 111,496 | 5 | 0 | 0 | 1,658,203 | 1,769,704 | 59,052 | 0 | 1,658,203 |
| 1330-20-7 | Xylene (mixed isomers) | 839,030 | 1,621 | 0 | 1,921 | 194,875 | 1,037,447 | 0 | 183,892 | 10,983 |
| 108-88-3 | Toluene | 961,501 | 810 | 0 | 840 | 59,402 | 1,022,553 | 30,581 | 49,807 | 9,595 |
| 67-56-1 | Methanol | 959,910 | 3 | 2 | 0 | 5,864 | 965,779 | 5,296 | 444 | 5,420 |
| 7664-41-7 | Ammonia | 599,646 | 338,459 | 0 | 0 | 14,176 | 952,281 | 17,617 | 13,390 | 786 |
| -- | Lead compounds | 6,132 | 2,360 | 0 | 94,175 | 576,437 | 679,104 | 44,814 | 472,740 | 103,697 |
| -- | Glycol ethers | 430,214 | 7 | 0 | 2,219 | 137,440 | 569,880 | 2,450 | 130,700 | 6,740 |
| 78-93-3 | Methyl ethyl ketone | 420,687 | 617 | 0 | 301 | 116,657 | 538,262 | 3,487 | 113,594 | 3,063 |

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

Note: Due to an EPA data entry error, one chemical reporting revision for 1999 by a facility, the US Army Letterkenny Depot in Chambersburg, PA, reporting in the original industry sector was not included in this table. At the time of publication, the facility had notified EPA that it anticipated revising off-site transfers to disposal (transferred into the state of New Jersey) for manganese compounds from 5,584,900 pounds to below 500 pounds. Revisions by this facility of two other compounds are included in the State Fact Sheet tables but not included in the tables in the 1999 TRI Public Data Release report.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

| CAS Number | Chemical | On-site Releases | | | | Off-site Releases | Total Releases in the State** | Off-site Transfers to Disposal | | |
|------------|---------------------------------|----------------------|---------------------------------|------------------------------|---------------------------------|--|-------------------------------|--------------------------------|---------------------------------|---------------------------------|
| | | Air Emissions Pounds | Surface Water Discharges Pounds | Underground Injection Pounds | On-site Releases to Land Pounds | Transfers Off-site to Disposal* Pounds | | Transferred Into State Pounds | Transferred Within State Pounds | Transferred Out of State Pounds |
| 7647-01-0 | Hydrochloric acid | 6,093,200 | 0 | 0 | 0 | 0 | 6,093,200 | 0 | 0 | 0 |
| 7664-93-9 | Sulfuric acid | 970,002 | 0 | 0 | 0 | 0 | 970,002 | 0 | 0 | 0 |
| -- | Lead compounds | 541 | 271 | 0 | 27,000 | 455,247 | 483,059 | 1,421 | 2,858 | 453,530 |
| 7664-41-7 | Ammonia | 278,484 | 1,833 | 0 | 4,700 | 0 | 285,017 | 0 | 0 | 0 |
| 7664-39-3 | Hydrogen fluoride | 253,545 | 0 | 0 | 0 | 0 | 253,545 | 0 | 0 | 0 |
| -- | Barium compounds | 4,661 | 500 | 0 | 160,000 | 44,969 | 210,130 | 3,579 | 25,893 | 19,076 |
| -- | Zinc compounds | 54,418 | 5,108 | 0 | 47,000 | 89,684 | 196,210 | 2,437 | 88,571 | 1,121 |
| 1634-04-4 | Methyl tert-butyl ether | 181,532 | 666 | 0 | 0 | 627 | 182,825 | 3,259 | 5 | 622 |
| 75-45-6 | Chlorodifluoromethane (HCFC-22) | 107,851 | 0 | 0 | 0 | 0 | 107,851 | 0 | 0 | 0 |
| -- | Copper compounds | 1,482 | 1,857 | 0 | 38,000 | 48,843 | 90,182 | 1,427 | 4,213 | 44,630 |

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

| Facility, City, County | On-site Releases | | | | | | Total On-site Releases* Pounds | Off-site Releases (Transfers Off-site to Disposal) | |
|--|-------------------------|------------------------------------|-------------------------|----------------------------|-------------------------------------|---------------------------------------|-----------------------------------|---|------------------------------------|
| | Underground Injection | | | | On-site Releases to Land | | | Transferred Within State Pounds | Transferred Out of State Pounds |
| | Air Emissions Pounds | Surface Water Discharges Pounds | Class I Wells Pounds | Class II-V Wells Pounds | RCRA Subtitle C Landfills Pounds | Other On-site Land Releases Pounds | | | |
| Du Pont Chambers Works, Deepwater, Salem | 339,701 | 2,553,858 | 0 | 0 | 147,298 | 0 | 3,040,857 | 0 | 316,293 |
| Bayway Refining Co., Linden, Union | 538,080 | 2,003,547 | 0 | 0 | 0 | 0 | 2,541,627 | 0 | 1,610 |
| Griffin Pipe Prods. Co., Florence, Burlington | 20,244 | 0 | 0 | 0 | 0 | 1,754,783 | 1,775,027 | 0 | 0 |
| Ford Edison Assembly Plant, Edison, Middlesex | 665,473 | 0 | 0 | 0 | 0 | 0 | 665,473 | 4,730 | 5,951 |
| Roche Vitamins Inc., Belvidere, Warren | 440,468 | 6,402 | 0 | 0 | 0 | 0 | 446,870 | 0 | 2,533 |
| Coastal Eagle Point Oil Co., Westville, Gloucester | 340,942 | 74,833 | 0 | 0 | 0 | 0 | 415,775 | 11,215 | 540 |
| Degussa Corp. Metal Group, South Plainfield, Middlesex | 308,547 | 0 | 0 | 0 | 0 | 0 | 308,547 | 64 | 0 |
| Gmtg Linden Assembly, Linden, Union | 302,260 | 0 | 0 | 0 | 0 | 0 | 302,260 | 2,460 | 46,539 |
| Du Pont Repauno Plant, Gibbstown, Gloucester | 0 | 231,820 | 0 | 0 | 0 | 0 | 231,820 | 50,180 | 0 |
| Mallinckrodt Baker Inc., Phillipsburg, Warren | 73,218 | 151,175 | 0 | 0 | 0 | 0 | 224,393 | 0 | 0 |

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

| Facility, City, County | On-site Releases | | | | | | Total On-site Releases* Pounds | Off-site Releases (Transfers Off-site to Disposal) | |
|--|------------------------------|------------------------------------|-------------------------|----------------------------|-------------------------------------|---------------------------------------|-----------------------------------|---|------------------------------------|
| | <u>Underground Injection</u> | | | | <u>On-site Releases to Land</u> | | | Transferred Within State Pounds | Transferred Out of State Pounds |
| | Air Emissions Pounds | Surface Water Discharges Pounds | Class I Wells Pounds | Class II-V Wells Pounds | RCRA Subtitle C Landfills Pounds | Other On-site Land Releases Pounds | | | |
| Hudson Generating Station, Jersey City, Hudson | 3,502,580 | 4,800 | 0 | 0 | 0 | 383,700 | 3,891,080 | 756 | 0 |
| Mercer Generating Station, Hamilton Township, Mercer | 2,620,720 | 2,600 | 0 | 0 | 0 | 0 | 2,623,320 | 1,697 | 0 |
| B.L. England Generating Station, Beesleys Point, Cape May | 852,726 | 4,793 | 0 | 0 | 0 | 0 | 857,519 | 126,093 | 0 |
| Deepwater Generating Station, Pennsville, Salem | 387,856 | 0 | 0 | 0 | 0 | 0 | 387,856 | 3,058 | 19,076 |
| Natl. Refrigerants Inc., Rosenhayn, Cumberland | 155,197 | 0 | 0 | 0 | 0 | 0 | 155,197 | 0 | 0 |
| Eagle Point Cogeneration Ptnr. (EPCP), Westville, Gloucester | 99,672 | 0 | 0 | 0 | 0 | 0 | 99,672 | 0 | 0 |
| Sewaren Terminal, Sewaren, Middlesex | 76,900 | 330 | 0 | 0 | 0 | 0 | 77,230 | 0 | 11 |
| Cogen Techs. NJ Venture L.P., Bayonne, Hudson | 70,022 | 0 | 0 | 0 | 0 | 0 | 70,022 | 0 | 0 |
| Newark Bay Cogeneration Plant, Newark, Essex | 64,355 | 0 | 0 | 0 | 0 | 0 | 64,355 | 0 | 0 |
| PG&E Generating, Carneys Point, Salem | 59,191 | 0 | 0 | 0 | 0 | 0 | 59,191 | 0 | 0 |

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



1999 Toxics Release Inventory

NEW JERSEY

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

| Facility, City, County | Recycled On-site Pounds | Recycled Off-site Pounds | Energy Recovery On-site Pounds | Energy Recovery Off-site Pounds | Treated On-site Pounds | Treated Off-site Pounds | Quantity Released On- and Off-site* | Total Production- related Waste Managed Pounds | Total Non- Production- related Waste Managed Pounds |
|--|-------------------------------|--------------------------------|---|--|------------------------------|-------------------------------|---|--|---|
| Du Pont Chambers Works, Deepwater, Salem | 0 | 893,907 | 0 | 1,331,702 | 33,454,726 | 2,976,454 | 3,349,547 | 42,006,336 | 7,594 |
| Bayway Refining Co., Linden, Union | 532,560 | 8,122 | 0 | 0 | 13,616,600 | 325 | 2,538,271 | 16,695,878 | 8,157 |
| Penick Corp., Newark, Essex | 36,883,800 | 0 | 0 | 0 | 0 | 1,876,521 | 1,897,518 | 40,657,839 | 0 |
| Griffin Pipe Prods. Co., Florence, Burlington | 0 | 1,737,861 | 0 | 0 | 1,287,211 | 52,932 | 1,775,040 | 4,853,044 | 0 |
| Ford Edison Assembly Plant, Edison, Middlesex | 0 | 587,241 | 0 | 39,150 | 402,080 | 14,185 | 686,757 | 1,729,413 | 0 |
| Roche Vitamins Inc., Belvidere, Warren | 0 | 0 | 0 | 0 | 151,519 | 0 | 487,154 | 638,673 | 0 |
| Coastal Eagle Point Oil Co., Westville, Gloucester | 0 | 0 | 78,176,676 | 18,890,872 | 1,064,155 | 16,616 | 414,579 | 98,562,898 | 1,191 |
| API Foils Inc., Rahway, Union | 0 | 0 | 1,013,660 | 313,006 | 0 | 313,006 | 411,392 | 2,051,064 | 0 |
| M&M/Mars, Hackettstown, Warren | 0 | 0 | 0 | 0 | 0 | 0 | 403,560 | 403,560 | 0 |
| Gmtg Linden Assembly, Linden, Union | 0 | 62,900 | 0 | 141,504 | 73,690 | 99,000 | 376,739 | 753,833 | 0 |

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

| Facility, City, County | Recycled On-site Pounds | Recycled Off-site Pounds | Energy Recovery On-site Pounds | Energy Recovery Off-site Pounds | Treated On-site Pounds | Treated Off-site Pounds | Quantity Released On- and Off-site* | Total Production- related Waste Managed Pounds | Total Non- Production- related Waste Managed Pounds |
|--|-------------------------------|--------------------------------|---|--|------------------------------|-------------------------------|---|--|---|
| Hudson Generating Station, Jersey City, Hudson | 0 | 0 | 0 | 0 | 100,000 | 0 | 3,888,000 | 3,988,000 | 0 |
| Mercer Generating Station, Hamilton Township, Mercer | 0 | 0 | 0 | 0 | 75,000 | 0 | 2,626,490 | 2,701,490 | 0 |
| B.L. England Generating Station, Beesleys Point, Cape May | 0 | 0 | 0 | 0 | 976,698 | 0 | 983,908 | 1,960,606 | 0 |
| S&W Waste Inc., South Kearny, Hudson | 0 | 14,000 | 0 | 0 | 433,100 | 21,900 | 469,000 | 938,000 | 0 |
| Deepwater Generating Station, Pennsville, Salem | 0 | 0 | 0 | 0 | 48,341 | 0 | 409,990 | 458,331 | 0 |
| Natl. Refrigerants Inc., Rosenhayn, Cumberland | 0 | 0 | 0 | 0 | 0 | 0 | 155,197 | 155,197 | 0 |
| Safety-Kleen Sys. Inc., Linden, Union | 333,751 | 400,868 | 0 | 2,929,927 | 15,934 | 1,366,333 | 102,824 | 5,149,637 | 8 |
| Eagle Point Cogeneration Ptnr. (EPCP), Westville, Gloucester | 0 | 0 | 0 | 0 | 0 | 0 | 99,681 | 99,681 | 0 |
| Sewaren Terminal, Sewaren, Middlesex | 0 | 0 | 0 | 0 | 24,457 | 3,442 | 77,245 | 105,144 | 0 |
| Cogen Techs. NJ Venture L.P., Bayonne, Hudson | 0 | 0 | 0 | 0 | 0 | 0 | 70,022 | 70,022 | 0 |

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.